TECHBYTE

VOLUME 4 ISSUE 1

Final year CSE students at Infosys campus,Mysore on 31/3/2018

PES Institute of Technology & Management
Data Warehousing and Performance Engineering

PES Institute of Technology & Management

About CSE

Computer Science & Engineering department imparts high quality technical education to its students with the help of its state of the art computing facilities and highly qualified teaching and supporting staff. It keeps pace with the latest technological developments and thus helps students stand in good stead in their professional life.

Vision

To be a leader in providing quality education with strong technical knowledge to the undergraduate students in the field of Computer Science.

Mission

- To attain excellence by imparting quality education to students by ensuring a good learning environment through qualified faculty and good infrastructure.
- To empower students to attain strong technical and ethical skills for a successful career in software industry through active engagement with the industry.

Silent Features

The department offers Bachelor's Degree in Computer Science and Engineering with an intake of 120 that teaches the latest developments in different areas like computer software, hardware and networking, microprocessors, operating system, database, etc.

Highlights

- Our students won first prize in state level intercollegiate paper presentation
- Our students visited Infosys Mysore campus
- Our students visited the DXC Technologies
- Department organised several invited talks by: Mr. C V Joshi, Mr. Vidwath, Mr. Shamanth, Mr. Shashank, Mr. Vijayendra, Prabhath Hegde, and Mr. Manual K.
- Department organised Swachha Campus under NSS
- Department organised one-week FDP on Deep Learning in which we had invited Dr. Gnane Swarnadh Satapathi, Mr. Vishweshwara P S and Mr. Karthik
- Faculties published 12 papers in international and national journals which also included IEEE, Springer.
- 2 Faculty were awarded PhD under the supervision of Dr. S N Jagadeesha, HoD, CSE
- Faculty attended one week workshop on Machine Learning and Data Science at MCE, Hassan and JNNCE, Shivamogga.
- Over 60 Students got offers from reputed companies

Hod Message

I welcome all the students to the Department of Computer Science and Engineering. Computer Science and Engineering is the essence of today's world. We are committed to provide not only the technical education to our students but also the leadership qualities through which they can create employment to others.

PESITM is growing and is establishing its legacy as academic excellence. The sole vision of the department is to produce good engineers with human values and Indian ethos. We always focus on the holistic development of the students by a combination of both curricular and extracurricular activities. We believe that to develop a tender mind, we need to go beyond classroom teaching and we believe to make our students' industry ready.

The excellent infrastructure, teaching faculty of the best kind of the Department ensure quality education and a bright future to our students. The Department of CSE is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence and provides a platform for the students to achieve their career goals.

Dr. S N Jagadeesha

2 faculty were awarded PhD, under Supervision of Dr. S N Jagadeesha

Ravindra, Asst. Prof., JNNCE, Shivamogga on Development of Node Localization Techniques in WSN.
Mohan K S, Assoc. Prof., MSRIT, Bengaluru on Design and Developement of effective RWA algorithm for all optical network

ART Corner

ARTIST: Krishna Prasad N R
3rd Semester A Section

ARTIST: Himanshu Bagati
5th Semester A Section

ARTIST: Akshatha L S
5th Semester A Section

Achievements, Presentations and Participation

Students with Principal Dr. Ashok Kumar T, HOD Dr. Jagdeesha S N and Asst. Professor Mr. Puneeth B H

Department of Computer Science and Engineering students Mr. Deepak and Mr. Hitesh Kumar have won the First Prize in State Level Intercollegiate Paper Presentation Competition held at Bapuji Institute of Engineering and Technology (BIET), Davanagere.

DEEP LEARNING

23rd to 26th July
one week FDP

The goal of this course was to give learners basic understanding of modern neural networks and their applications in computer vision and natural understanding. The course started with a recap of linear models and discussion of stochastic optimization method that are crucial for training deep neural network. Learners studied all popular building blocks of neural network including fully connected layers, convolution and recurrent layers. In the course project learner implemented deep neural network for the task of image captioning which solved the problem of giving text description for an input image.

Coordinator

Dr. Likewin Thomas

Dr. Gnane Swarnadh Satapathi, Assistant Professor from National Institute of Engineering, Mysore was the speaker for two days i.e, 23rd & 24th, July 2018.

He started his lecture by giving introduction to artificial neural networks (ANN), and its applications in both industry and real life. Mathematical modelling of single input-single output neuron was presented with different types of transfer functions.

Mr. Vishweshwara P S Research Scholar, Dept. of Mechanical Engg, NITK Surathkal, Mangalore, was the speaker of third day, i.e., 25th, July 2018.

In this course, a review of various approaches to obtain the solution for optimization problems using Evolutionary Algorithm were discussed. Special focus was given on Genetic Algorithm, Particle Swarm Optimization

VVCE

Mr. Karthik VVCE, Mysore was the speaker for fifth and Final day i.e, 26th, July 2018.

Introduction to Deep –learning
How Speech Recognition Works – An Overview
Picking a Python Speech Recognition Package
Installing Speech Recognition

Final year CSE students at infosys campus,Mysore on 31/3/2018

INDUSTRIAL VISIT TO INFOSYS

Organized by Mr. Puneeth B H & Mr. Sunil M E

Industrial Visit was arranged on 31/03/2018 from 10 A M to 4 PM. A total of 47 final year students accompanied by 2 faculty visited the campus. This visit was organized to know about IT Industry

Department of CSE organized an industrial visit to Infosys, Mysore campus and its operations & services that are rendered from an MNC like Infosys.

As a part of the visit, Mrs. Nawaz Pasha, technical lead gave a talk on "Infosys and its Work Culture" and Mrs. Anirudh, software architect, conducted an interactive session and cleared student's doubts. After the talk, students visited the various sub-sections of Industry. This visit gave a brief overview of the Software industry as well as it helped them to build aspirations for their future carrier as engineers

Around 110 students of B.E Pre-Final year CS&E have visited to DXC Technologies on 23/03/2018

Visit to DXC Shivamogga

A talk was organized on "DXC Customers, Services & Carrier @ DXC" by Mrs. Rashmi Suryanarayana , Center Head ,DXC Shivamogga , after the talk students visited the various sub-sections of Industry. This visit will greatly assist the students in knowledge sharing as well as helping them to build aspirations for their future carrier as Engineers.

This visit was organized Mr. Pramod Prabhudev Head-CDC, Mr.Gurudev S Hiremath & Mr. Prabhu Kumar C, Placement Coordinators-Dept. of CS&E and coordinated by Mr. Kailash Rudra, Mr. Ranjan V , Mrs. Jyothi S S & Ms. Divya S , Assistant Professors, Dept. of CS&E

Achievements, Presentations and Participation

Workshop on Rapid SQL writing and DBMS current trends on Mar 11th 2017.

Workshop for Final Year CSE/ISE Students by Mr. C. V. Joshi, and Mr. Suresh D, on Mar 11th 2017.

Mr. C. V. Joshi, Consultant, IBM (National award winner from President of India, Dr. APJ Abdul Kalam for professional excellence and social service) and Mr. Suresh D, Vice President, Ion Idea were the resource persons.

Evive Health Hackathon Kick off and Open source Analytics Mr. Vidwath, Mr. Shamanth, Mr. Shashank and Mr. Vijayendra from Evive Health conducted the Hackathon event. On Jan 28th

Evive Health Hackathon Kick off and Open source Analytics session organized at Department of CSE, PESITM, Shivamogga on Jan 28th and 29th 2017. Around 50 students from PESITM and JNNCE attended Hackathon Kick-off. Mr. Vidwath, Mr. Shamanth, Mr. Shashank and Mr. Vijayendra from Evive Health conducted the Hackathon event. On Jan 28th, a session on Open Source Analytics was delivered by Mr. Ajith, final year student from CSE, PESITM who is presently working as an intern at Evive Health.

A talk by Prabhath Hegde, Technical Lead, Cirtrix Systems, Bangalore

'Engineering Subjects and Related Career Opport unities' was organized for students of Computer Science and Information Science on Feb 18th 2017. Faculty members of CSE, ISE and HOD's of CSE an d ISE also attended the talk.

The Software Architect, L&T, Europe division, Mr. Manual K, gave an invited talk on 'Architecting software IT solutions for global roll out' to the students of computer science and information science & engineering, PESITM, Shivamogga on 09-04-2018.

Mr. Manual is currently working at Stock home, Sweden and is involved in various banking and manufacturing solutions. He emphasized that, hard work, honesty and passion to do anything is the key for success. In his 2 hours talk, he shared his experience about being a software engineer at Infosys, Mysore division towards being a software architect at L&T right now. He explained the key skills, a software engineer should have before entering into industry. He assured the   students of CSE, and ISE to get a job in Software Company, even though they are not good in programming. For that a student need to work hard and come out with a flying colour in their academics. Mr. Manual, highlighted the importance of doing certification in various courses. He said, we need to EARN those certificates rather BUY them. He also explained various stages of software engineering life cycle. He said though every stage is important, re-usability of software should be encouraged more, if the software is already available. This would reduce the unnecessary software development, hence leading to green computing. Reusability is a stage in software life cycle.

N S S
Swachha Campus

The program was organized under the guidance of Dr. Jagadeesha S N. HOD of Computer science and engineering and Puneeth B H, NSS cocordintor, participated in "Swach Bharath" activity, and the Front area of college campus was cleaned up. A total of 120 Students of various semester along with teaching and non teaching staff of CSE were present during the activity.

PUBLICATIONS

Mrs. Thara K L **Mr. Sunil Kumar H R**	Presented their work on "The Vision of Web of Things" at National Conference (NCARSEM), PESITM, Shivamogga during 26th May 2018
Mr. Ranjan V **Ms. Meghana S B**	Presented their work on "Android App on Generic Medicine" at International Journal(IJSTE) during 1st July 2018
Dr. Likewin Thomas **Mr. Puneeth B H**	Presented their work on "OCR-Vr Wrapper Reader Using Google Mobile Vision SDK" at International Journal(ICRTCET) during 18th May 2018, Bengaluru
Dr. Likewin Thomas **Author** **Book Chapter**	Clinical Decision Support System for Early Disease Detection and Management: Statistics-Based Early Disease Detection. IGI Global DOI: 10.4018/978-1-5225-7131-5.ch005
Dr. Likewin Thomas **Author - IEEE**	A Healthcare management using clinical decision support system. IEEE ISBN: 978-1-5386-6894-8
Dr. Likewin Thomas **Author. Springer**	Prediction of Gallstone Disease Progression Using Modified Cascade Neural Network. Print ISBN 978-981-10-5827-1
Dr. Likewin Thomas **Co-Author. IEEE**	Virtual Cart: Novel Approach for Revamping Smart Shopping Experience. Under Publication
Dr. Likewin Thomas **Co-Author. Springer**	Alphabetic Cryptography: Securing Communication over Cloud Platform. ISSN: 2194-5357
Dr. Likewin Thomas **Co-Author. Springer**	Simplifying Spaghetti Processes to Find the Frequent Execution Paths. Print ISBN 978-981-10-5827-1
Dr. Sunitha B S **Author -**	Securing SaaS Cloud Infrastructure Using Portable TPM, International Journal of Computational Engineering Research
Dr. Sunitha B S **Author -**	Enhancing Remote Attestation in Cloud SaaS Infrastructure Using Portable TPM, Journal of Emerging Technologies and Innovative Research
Dr. Sunitha B S **Author -**	Enhancing Remote Attestation in Cloud SaaS Infrastructure Using Portable TPM, Journal of Emerging Technologies and Innovative Research
Mr. Ranjan V **Mr. Pradeep K** **Mr. Prabhu Kumar C**	Attended one week workshop on "Workshop on Machine Learning" during 28th June -02nd July 2018 at MCE,Hassan
Mr. Raghavendra K **Mr. Sunil M E** **Mrs. Thara K L** **Mr. Rajesh T H** **Mrs. Nayana K**	Attended one week workshop on ""Data Science and Visualization Using Python" during 16th July-21st July 2018, a JNNCE, Shivamogga

Placement Stats

Global Edge..........................	05 Students
Maintec.................................	12 Students
Evive Health..........................	05 Students
Srichid..................................	04 Students
YoungStone..........................	01 Student
SLK software........................	01 Student
BETSOL...............................	01 Student
Vyshnavi Infotech...............	01 Student
Mphasis................................	02 Students
VEE Technologies.................	08 Students
RIIT.....................................	02 Students
ABC......................................	05 Students
AppNM..................................	02 Students
CALL IN IT............................	06 Students
HIGH PEAK............................	01 Students
QSPIDERS..............................	03 Students
INFOSYS...............................	02 Students

*Above shown stat is w.r.t. offers

Result

4th Semester	61.1%
6th Semester	91.8%
8th Semester	94.4%

Call for Newsletter

- Articles for future edition are important.
- We would like to invite everybody to submit a short story/article/announcement that can fit in the following structure:
- News items and announcements - (1/2 Page)
- Short, topical, news oriented technical/ non-technical topics. (3/4 Page)
- Paintings, sketches, comics, poems, dag-writings, short stories etc. (1/2 Page)
- Major and minor technical articles are also accepted. (1/2 Page)
- Jokes, Punch dialogues, quotes of your own could be included. (1/4 Page)
- All of above said matters could be accepted in English or in Kannada

Editorial Team

Dr. Jagadeesha S N., Dr. Likewin Thomas, Mr. Raghavendra K, Mr. Ranjan V, Hitesh Kumar , Ajay Shankar B P, Deepak, Akshatha L S, Hifzia Noorain, Ajay